

NDC Support Facility for Efficient, Climate-Friendly Cooling

Request for Proposals Launch Webinar

January 28, 2020

8:00 – 9:00 am PST

Updated June 2020

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COOLING EFFICIENCY PROGRAM

Webinar Agenda

Introduction to K-CEP (5 minutes)

NDC Facility Launch (15 minutes)

Funding for AC SMEs (5 minutes)

Private Financing Advisory Network (5 minutes)

Q&A (Up to 30 minutes)

Jess Brown, K-CEP

Mark Michelin, CEA Consulting

Nihar Shah, Lawrence Berkeley National Laboratory

Mark Lister, PFAN





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Jess Brown, Director

NDC Support Facility for Efficient, Climate- Friendly Cooling

Mark Michelin, CEA Consulting

What is the NDC Support Facility for Efficient, Climate-Friendly Cooling?



Aim: To unlock the potential of emissions reductions in the cooling sector by supporting developing countries to optimize the contribution that efficient, climate-friendly cooling can make to their updated NDCs.

Approach: To provide grant support for efficient, climate-friendly cooling projects and programs in developing countries that are linked to new commitments on cooling in countries' updated NDCs.

What types of projects are eligible?

- Regulations and standards adoption
- Increasing the energy efficiency of cooling appliances
- Thermal regulation of buildings
- Well-designed, adaptive, urban environments
- Behavior change
- Renewable powered cooling (including off-grid)
- Thermal storage
- Demand side management technologies
- Appliance Replacement programs
- Enforcement and monitoring of existing regulations and standards
- Passive cooling, including nature-based solutions
- Improved access for vulnerable communities
- Climate finance readiness and / or mobilization of finance for efficient, climate-friendly solutions

Who can apply and receive funding?

Who can Apply?

Countries

- All developing countries (Article 5 Group 1 & 2)

Technical Assistance Providers

- NGOs
- Academics
- International Organizations
- Research Institutions
- Consultancies

How to apply?



Applicants must fill out *either* the application for government entities or technical assistance providers

Who can receive funds?

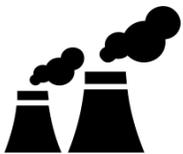
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- Government entities are eligible to apply, **but funding can only be disbursed to technical assistance providers.**
 - Funding is for activities to be undertaken between 2021 - 2023

What are we looking for?



Strong Country Commitment

- Strengthened commitment to cooling efficiency in enhanced NDC
- If strengthened NDC commitment is not possible, another indication of the country's commitment to cooling efficiency (e.g., commitment to embed EE into an HPMP)
- MOU or letter of support for TA provider from the country



Greenhouse Gas Mitigation

- The emissions reduction potential of the proposed activities.
- The additionality of the proposed activities (e.g., not previously funded by K-CEP, MLF, etc.)



Cooling Access

- Improved access to efficient cooling, particularly for vulnerable populations



Funding Mobilization

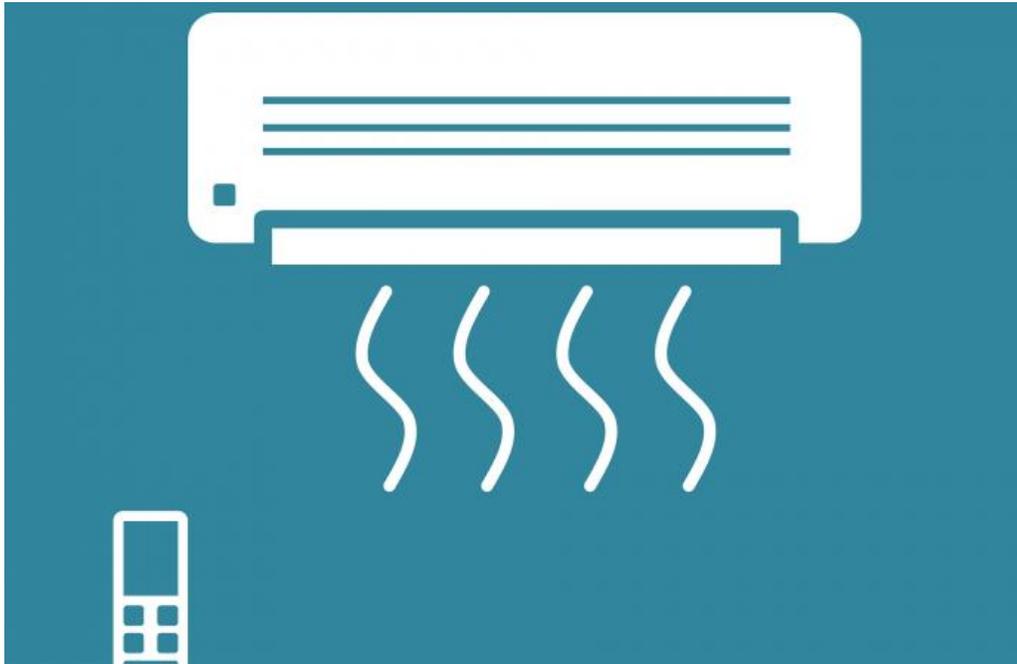
- The plan and ability of the project to mobilize other funds (including MLF).
- This includes demonstrated co-funding for the program/project.



High Impact Opportunities

- Viability of proposed activities and likelihood of success
- Leveraging windows of opportunity
- Catalytic projects

Proposal example



Example 1: Country A commits to regularly review with an aim to enhance Minimum Energy Performance Standards for air conditioners and refrigerators, and to do so every five years in line with the NDC cycle of ambition. Country A requests \$1M of support to design new MEPS, support local cooling manufacturing industry to convert production lines, set up a lab to test the appliances and create a labelling program.

ILLUSTRATIVE

Proposal example



Example 2: Country B commits to drafting a building code for commercial and municipal buildings and to review the code with an aim to enhance it every five years aligned the NDC cycle of ambition. Country B requests \$700K to design the building code, pilot various building cooling solutions (e.g. cool roofs, ice batteries, digital controls, shading, and greening) and to train planning officials in implementing the building code.

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Designated funds



Access to cooling,
emphasizing
passive cooling
solutions



Cooling efficiency
work
Emphasis on other priority
areas, (e.g., regulations
and standards)



TA support for AC
manufacturing SMEs
SMEs with an MLF approved project
are preferred
Linked with LBNL as a TA provider and
requires coordination with them in
advance

Anticipated grant
range \$500K - \$2.5m
(grants >\$1m reserved
for largest emission
reduction
opportunities)

Fundraising for the
Facility is ongoing,
which may increase
the final funding
available

Technical assistance providers

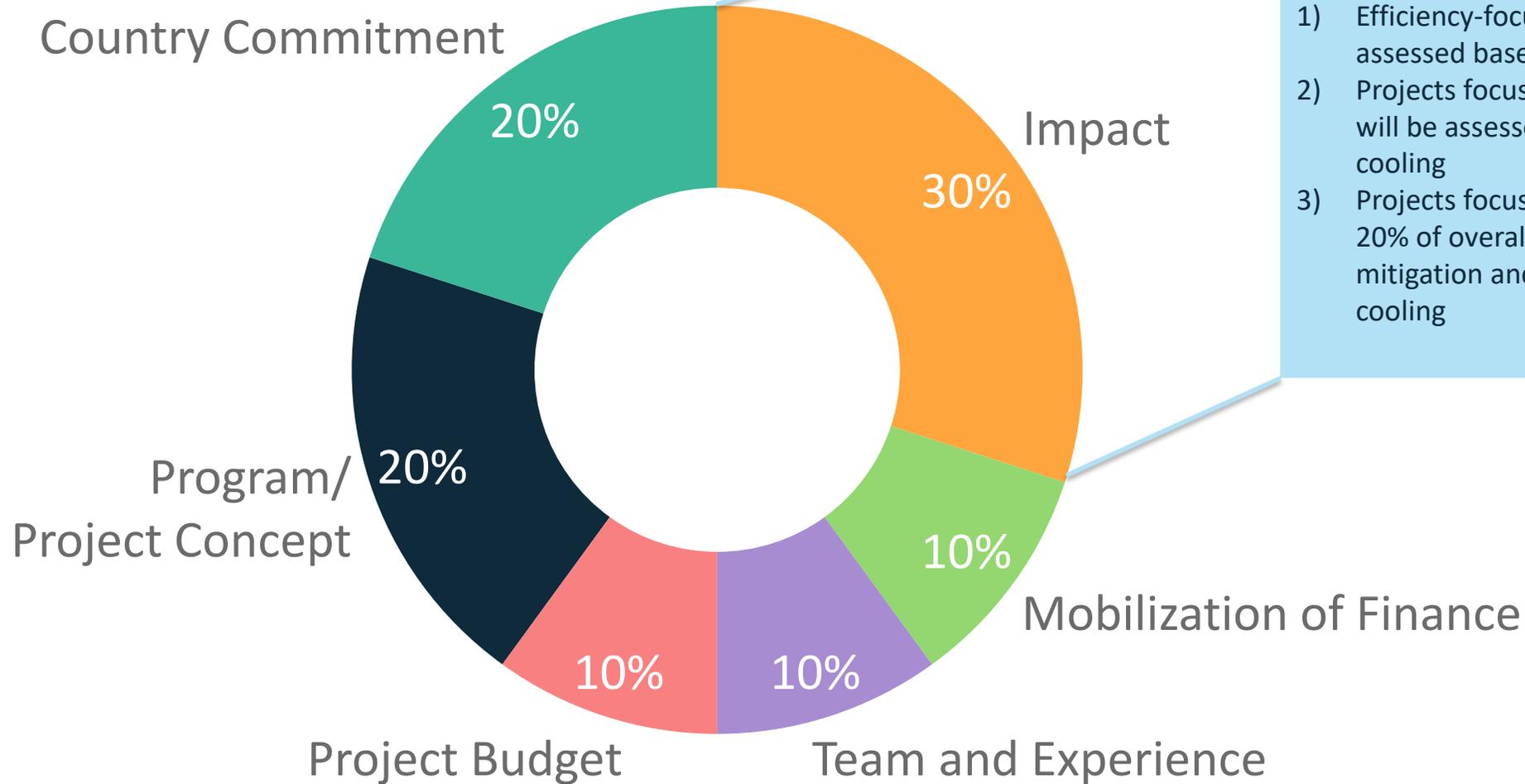
- Countries applying must partner with a technical assistance (TA) provider
- TA Partners must be aligned with a partner country and submit formal documentation (e.g., an MoU or letter of endorsement)
- LBNL is the preferred TA provider of the NDC Facility, particularly for:
 - 1) Technical assistance to small and medium-sized air-conditioner manufacturers to improve energy efficiency while changing refrigerants
 - 2) Technical assistance for the adoption, improvement and revision of MEPS
- Countries are welcome to request funding to work with the TA provider of their choosing
- Other TA providers are strongly encouraged to apply

Who will review proposals?

NDC Support Facility Review Committee



Scoring criteria



Impact scoring details

Impact will be assessed based on the focus of the project.

- 1) Efficiency-focused projects – Impact will be assessed based on greenhouse gas mitigation
- 2) Projects focused on access to cooling – Impact will be assessed based on improved access to cooling
- 3) Projects focused on both access and efficiency – 20% of overall scoring will be for greenhouse gas mitigation and 10% for improved access to cooling

Important dates and sequencing*



Deadline to submit questions on the RFP and Facility



Initial Proposal Review
Applicants may be asked for revisions/clarifications during this period

Initial Funding Disbursed
After evidence of additional cooling commitment in enhanced NDCs or other commitment

January 27th

RFP Launch
RFP is launched and available at www.kcep.org

August 21st

September 4th

Proposal submission deadline including proposed activities and what cooling commitment will be made in enhanced NDC

Sept. 4th – Oct. 30th

Oct. 30th – Nov. 13th

Final Proposal Review
Review committee will select and notify intended recipients by mid-November 2020**

2021

RFP



* Updated timeline in response to Covid-19 disruptions

**the exact timing dependent on the certainty of the inclusion of new cooling commitments in the country's enhanced NDC or other commitment.

Important information

- NDC Facility Website www.k-cep.org/ndc-support-facility/
- K-CEP <https://www.k-cep.org/>
- Questions on the NDC Facility coolingfacility@ceaconsulting.com
- LBNL Sustainable Cooling <https://ies.lbl.gov/research-area/sustainable-cooling>
- For inquiries about collaborating with LBNL on an NDC Facility proposal, please contact Nihar Shah (cooling@lbl.gov)



Nihar Shah, Director of LBNL's
Cooling Efficiency Research Program



PFAN

Accelerating Investment
for Climate and Clean Energy

The Private Financing Advisory Network

28 January 2020

Mark Lister

mark.lister@asiacleanenergypartners.com



- PFAN **advises low-carbon, climate resilient businesses** in developing countries and matches projects to appropriate private financing
- PFAN **mobilizes private financing** to reduce GHG emissions and build climate resilience contributing to Paris Agreement and SDGs:
 - SDGs 7 (Energy), 9 (Industry), 13 (Climate Action), and 17 (Partnership)
- Since inception PFAN has supported **675 projects**, with more than 465 projects in current pipeline – and is **increasing its current focus on cooling projects**
- **Main achievements** since inception in 2008:



\$ 1.7 bn

Total investment raised by PFAN supported projects



126

Total closed projects



18%

Success rate



>1000 MW

Clean energy generation capacity added



4 m t

Annual CO2 emission mitigation

PFAN's Business Model

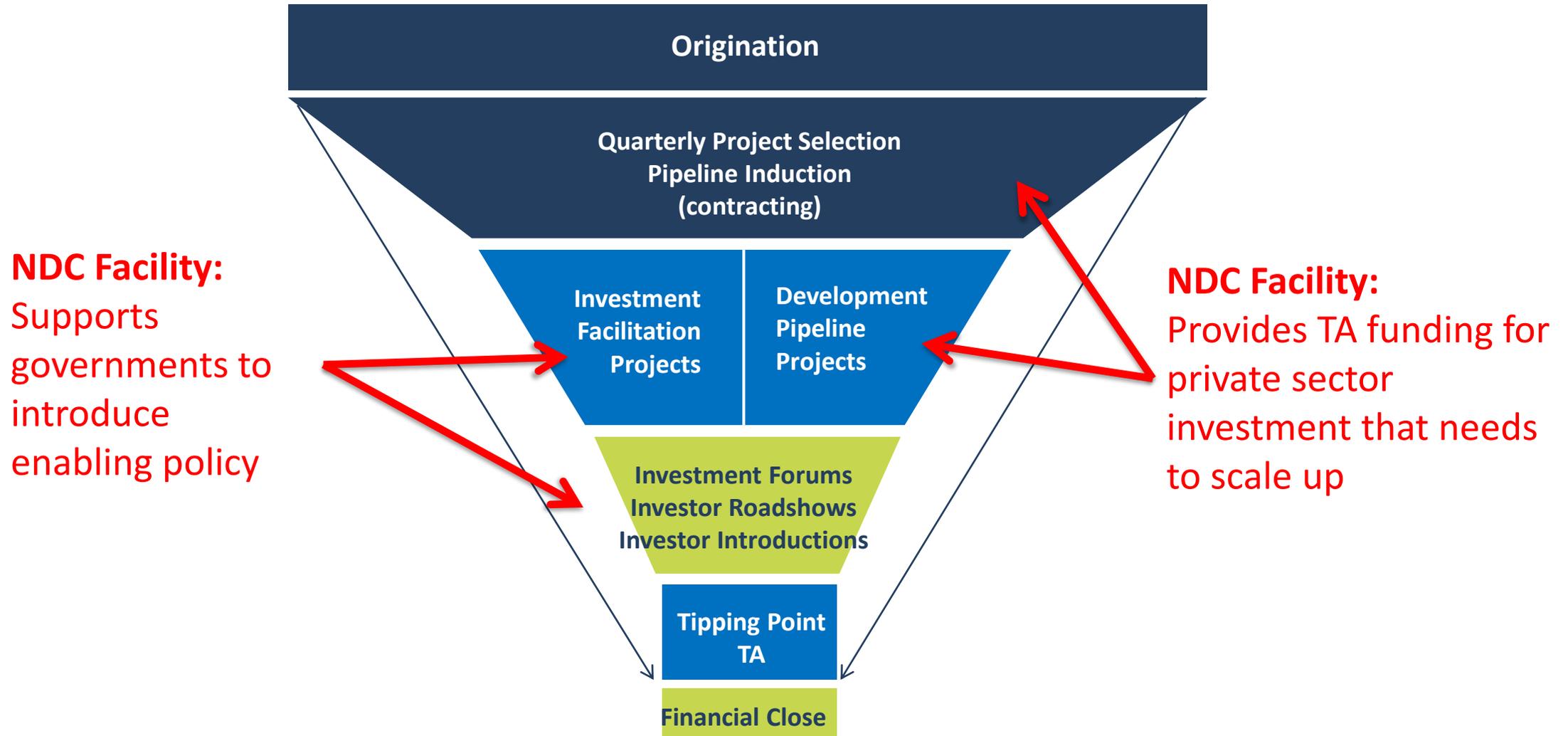
- Network of locally based private sector advisors
- Coaching and investment facilitation, in principle provided at no cost to project developers
- Fixed fee for advisors against services & deliverables + potential for success fee
- Driven by seasoned Global Coordinator, 6 Regional Coordinators and Head Investment Facilitation
- Supported by an extensive network of Investment and Network Partners
- Hosted by UNIDO and REEEP since 2016
- Funded by a Multi-Party Trust Fund supported by:



Unique and proven low overhead networking business model

Complementing K-CEP's NDC Facility and strengthening the cooling 'ecosystem'

PFAN's Project Development Framework





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